

Missouri Department of Transportation

Code: R01347

Title: Bridge Inspection Crew Leader

Exemption Status: Non-Exempt

Grade: 9

Job Description

Effective Date	03-01-2006
Replaces (Effective Date)	12-01-2005
General Summary	The bridge inspection crew leader performs, trains, and completes reports on visual and in-depth inspection reports and preventative maintenance functions on bridges in the state highway system. Responsibilities are performed under direct supervision.
Minimum/Required Qualifications	High School Diploma or GED Valid Class A Commercial Driver's License with no air brake restriction Employee will be required to pass a cardiopulmonary function test yearly, attend training on the use of respirators, and pass a respirator fit test every six months. Requires completion of National Highway Institute (NHI) Courses 130055A, "Safety Inspection of In-Service Bridges" and 130054A, "Engineering Concepts for Bridge Inspectors" within one year of start date in job. Two years of experience in bridge maintenance, or special maintenance.
Supervisory Responsibilities	Lead Worker Only
Location	Central Office - Maintenance
Special Working Conditions/Job Characteristics	Job requires continuous, overnight, statewide travel. Job requires heavy physical exertion and effort. Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Examples of Work

- (1) Operates under-bridge inspection snoopers and related equipment to visually examine bridges for cracks, fractures, and deterioration; advises supervisor of findings.
- (2) Completes reports related to in-depth inspection of bridges and performs non-destructive tests such as dye penetrate, magnetic particle, and ultrasonic to identify structural deficiencies that are undetectable through visual inspections.
- (3) Assists in training employees in traffic control, safety, equipment operation, and bridge repair procedures.
- (4) Makes minor bridge repairs such as tightening and replacing bolts; drilling holes to prevent the spread of fatigue cracks; mounts signs on bridges as assigned; applies protective coatings to exposed steel and

concrete surfaces; replaces expansion joints and bearings; assists bridge repair, painting, and construction inspection crews as assigned.

- (5) Operates vehicles to transport crew, equipment, and materials to job site; generally rotates throughout state; sets and hangs scaffolds and safety lines; may handle and haul hazardous waste.
- (6) Sets up traffic control devices such as signs, flags, cones, and arrow boards; performs flagging responsibilities for traffic through work zone.
- (7) Conducts safety check of equipment daily; performs preventative maintenance to vehicles and equipment including monitoring fluids, greasing and oiling parts, cleaning, and making minor repairs as needed.
- (8) Operates washer equipment; cleans bridge component areas that are difficult to access and clears debris from around bridge.
- (9) May assist bridge repair and bridge painting crews as assigned.
- (10) Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- (11) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.